

## CLAIMS:

1. A movement detector (1) which is capable of detecting movement of a body in a space and includes a light-sensitive sensor (5) and optical means (4, 8) which are capable of projecting a multiple image of the space onto the sensor (5), characterized in that the optical means (4, 8) include a mirror assembly (4) having a kaleidoscopic effect.

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2. A movement detector as claimed in claim 1, characterized in that the mirror assembly (4) constitutes an elongate body whose reflecting surface faces inwards.

3. A movement detector as claimed in claim 1 or 2, characterized in that the optical means include a lens (8).

10 4. A movement detector as claimed in claim 3, characterized in that the sensor (5) is situated near a first end of the mirror assembly (4) whereas the lens (8) is situated near the second end of the mirror assembly (4).

15 5. A movement detector as claimed in one of the preceding claims 1 to 4, characterized in that the cross-section of the mirror assembly (4) forms a polygon.

6. A movement detector as claimed in claim 5, characterized in that the polygon 20 is essentially a triangle.

7. A movement detector as claimed in one of the preceding claims 1 to 6, characterized in that the cross-section of the mirror assembly (4) is essentially the same along its entire longitudinal axis.

25 8. A movement detector as claimed in one of the preceding claims 1 to 6, characterized in that the cross-section of the mirror assembly (4) varies from a smallest to a largest cross-section along its longitudinal axis.

9. A movement detector as claimed in one of the preceding claims 1 to 8, characterized in that the sensor (5) includes an infrared sensor.

10. A method of installing a movement detector (1) in a space in order to detect  
5 movement of a body in the space, a light-sensitive sensor (5) being arranged above a ceiling  
(2) of the space while optical means (4, 8) are arranged in such a manner that they project a  
multiple image of the space onto the sensor (5), characterized in that the optical means (4, 8)  
include a mirror assembly (4) having a kaleidoscopic effect, the arrangement being such that  
the mirror assembly (4) extends essentially through the ceiling (4).

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